



Shenzhen Yingjia Chuang electronic technology Co., LTD

<http://www.szsyjc.com>

APPROVAL SHEET

承认书

CUSTOMER NAME 客户名称		
CUSTOMER P/N 客户料号		
PART NAME 品 名	2.4G PCB antenna	
P/ N 料 号		
APPROVAL REV. 版 次	A0	
DELIVERY DATE 送样日期	2024 年 08 月 12 日	
PREPARED BY 承 办		
CHECKED BY 审 核		
APPROVED BY 核 准		
Customer Approved 客 户 承 认		
Prepared By 承 办	Checked By 审 核	Approved By 核 准

Address: Building C, Hongyu Guangming Valley, No. 11, Youma Gang Road, Ma Tian Street, Guangming District, Shenzhen

Dongguan Branch: Yingjiachuang Industrial Park, No. 2 Yinhe 3rd Road, Shishuikou, Qiaotou Town, Dongguan City

Hangzhou Office: 212, Building B, Dahua Jianghong International Innovation Park, 369 Internet of Things Street, Binjiang District, Hangzhou

Mianyang Office: No. 4F-34 Wanxiang High-tech International, No. 35 Mianxing East Road, Mianyang High-tech Zone, Sichuan Province

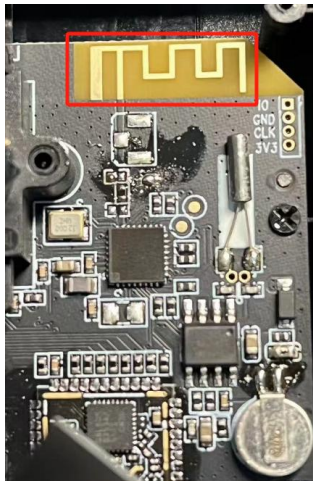
Tel: 0755-27810060 Fax: 0755-27810057 Website: <http://www.szsyjc.com>



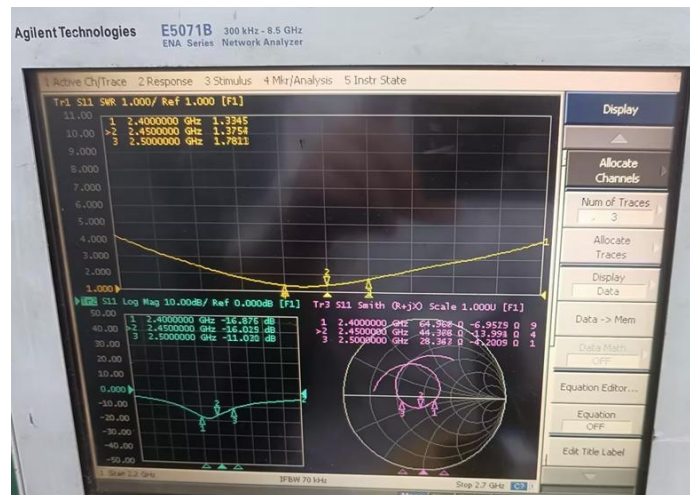
Antenna technical parameters and environmental testing:

Electrical technical parameter			
电性能指标		Electrical Specifications	
频率范围	2400-2500MHz	Frequency Range	2400-2500MHz
电压驻波比	<1.92	VSWR	<1.92
输入阻抗	50 Ω	Input Impedance	50 Ω
方向	全向	Direction	All
增益	1.88dBi	Gain	1.88dBi
机械指标		Mechanical Specifications	
接口形式	OPEN	Input connector	OPEN
工作温度	-20℃~+70℃	Working Temperature	-20℃~+70℃
工作湿度	20%~80%	Working Humidity	20%~80%

Antenna physical picture:



Antenna performance test diagram:

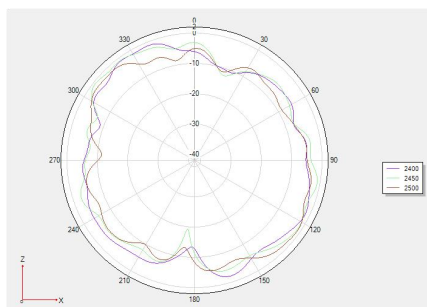




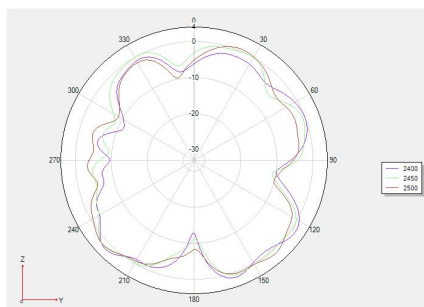
2D.3D Test data (2.4G) :

Frequency	Efficiency (%)	Gain. (dBi)
2400MHz	52.36	1.88
2410MHz	55.08	1.65
2420MHz	54.33	1.75
2430MHz	47.75	1.73
2440MHz	49.89	1.59
2450MHz	48.31	1.62
2460MHz	50.12	1.69
2470MHz	48.35	1.47
2480MHz	47.27	1.55
2490MHz	45.36	1.41
2500MHz	46.88	1.65

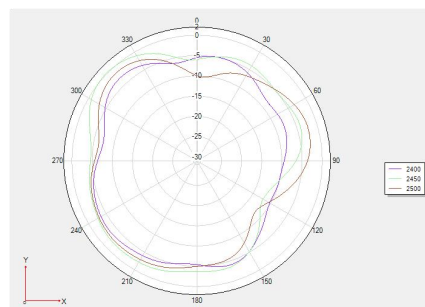
Phi 0 2D 图:



Phi 90 2D 图

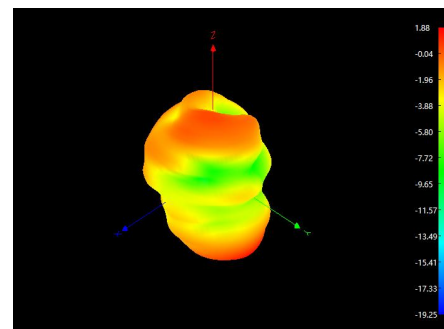
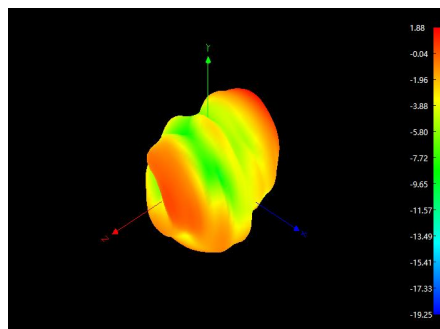
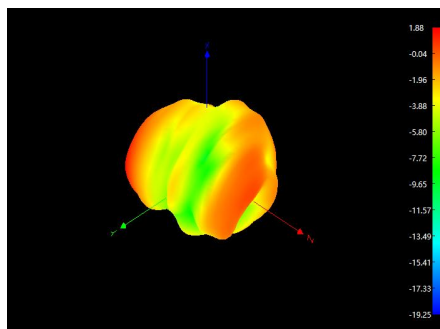


Theta 90 2D 图

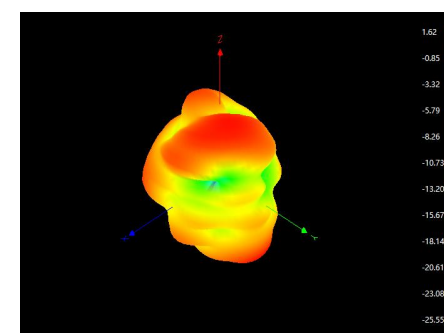
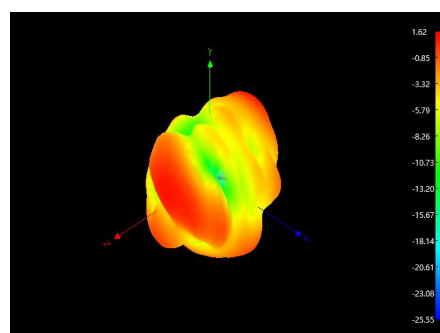
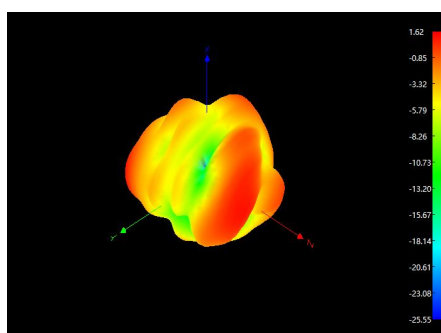




3D 2400:



3D 2450:



3D 2500

